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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/798,680

03/11/2004

David Uddenberg

03-0309

6252

24319

7590

09/18/2006

LSI LOGIC CORPORATION

1621 BARBER LANE

MS: D-106

MILPITAS, CA 95035

EXAMINER

IQBAL, NADEEM

ART UNIT

PAPER NUMBER

2114

DATE MAILED: 09/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/798,680	Applicant(s) UDDENBERG ET AL.	
	Examiner Nadeem Iqbal	Art Unit 2114	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6,8,11-15 and 17-20 is/are rejected.
- 7) ☒ Claim(s) 7,9,10,16,21 and 22 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.



NADEEM IQBAL
PRIMARY EXAMINER

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6, 8, 11-15, 17-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Bingham et al. (U.S. Patent number 6954712).

3. As per claim 1, Bingham teaches (col. 5, lines 46-48) a microcontroller connected to the communication port to detect the operation mode for the peripheral device and activate the first transceiver or the second transceiver. He thus teaches a method of testing a SAS component in situ in a SAS domain. With reference to generating a stimulus representing an anomalous condition within a first SAS component and applying the stimulus to a second SAS component. He teaches (col. 5, lines 55-57). With reference to receiving within the first SAS component a response from the second SAS and verifying within the first SAS component the received response. He teaches (col. 5, lines 61-63).

4. As per claim 2, He teaches as stated above a microcontroller connected to the communication port to detect the operation mode for the peripheral device and activate the first transceiver or the second transceiver.

5. As per claim 3, He teaches a first component as a microcontroller and activating the first transceiver or the second transceiver.

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6. As per claims 4-6, He teaches (col. 8, lines 18-20) that the SCSI subsystem and set of components that are interconnected by SCSI bus and include SCSI devices capable of communicating using the SCSI protocol. He thus provides capability of generating an exception primitives as claimed.

7. As per claim 8, He teaches (col. 8, lines 28-30) a SCSI device including an internal controller programmed to receive and responds to SCSI commands according to the SCSI protocol.

8. As per claim 11, Bingham teaches (col. 8, lines 58-60) an SCSI backplane that is a plurality of SCSI slots that allow SCSI devices. He thus teaches a SAS communication medium, a first SAS component, a second SAS component coupled to SAS communication medium. With reference to generating a stimulus representing an anomalous condition within a first SAS component and applying the stimulus to a second SAS component. He teaches (col. 5, lines 55-57).

9. As per claim 12, He teaches receiving within the first SAS component a response from the second SAS and verifying within the first SAS component the received response. He teaches (col. 5, lines 61-63).

10. As per claims 13 & 14, He teaches as stated above a microcontroller connected to the communication port to detect the operation mode for the peripheral device and activate the first transceiver or the second transceiver.

11. As per claims 15, He teaches a first component as a microcontroller and activating the first transceiver or the second transceiver.

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12. As per claims 17 & 18, Bingham substantially teaches the claimed invention as disclosed related to claim 1 above. With reference to means for generating a stimulus representing an anomalous condition within a first SAS component and means for applying the stimulus to a second SAS component. He teaches (col. 5, lines 55-57). With reference to means for receiving within the first SAS component a response from the second SAS and means for verifying within the first SAS component the received response. He teaches (col. 5, lines 61-63).

13. As per claim 19, He teaches as stated above a microcontroller connected to the communication port to detect the operation mode for the peripheral device and activate the first transceiver or the second transceiver.

14. As per claim 20, He teaches a first component as a microcontroller and activating the first transceiver or the second transceiver.

Allowable Subject Matter

15. Claims 7, 9, 10, 16, 21 & 22 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

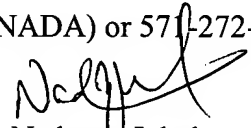
Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nadeem Iqbal whose telephone number is (571)-272-3659. The examiner can normally be reached on M-F (8:00-5:30) First Friday Off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Scott Baderman can be reached on (571)-272-3644. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Nadeem Iqbal
Primary Examiner
Art Unit 2114

NI